Personal Systems Reference
Lenovo IdeaCentre Desktops

January 2012 - Version 412

IdeaCentre K330

IdeaCentre B520

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IdeaCentre™ K330 (7727) - Windows 7

Type-model	Slot x bay	Pro-cessor	GHz	Max turbo (GHz)	Cache	Cores	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
7727-1SU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	1TB[2]	DVD±RW	GeForce GT 420	None	None	None	Prem 64	Feb 11
7727-1TU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx2	1TB	DVD±RW	GeForce GT 420	None	None	None	Prem 64	Feb 11
7727-2KU	4x4	i5-2300	2.80	3.10	6MB	4	4GBx2	1TB	DVD±RW	GeForce GT 420	None	None	None	Prem 64	Feb 11
7727-2LU	4x4	i5-2300	2.80	3.10	6MB	4	2GBx3	1TB	DVD±RW	GeForce GT 420	None	None	None	Prem 64	Feb 11
☞ 7727-4HU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	1.5TB	DVD±RW	Radeon HD 6450	None	None	11b/g/n	Prem 64	Jul 11

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i5-2300 Processor** (**4 cores / 4 threads**, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.10 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller
Implementation	Processor in LGA1155 socket
Memory	16GB max[8], dual-channel capable, **PC3-10600 1333MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **NVIDIA® GeForce® GT 420**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA CUDA™ Technology, one VGA DB-15 connector, one HDMI connector, HDCP-compliant *Some:* **AMD Radeon™ HD 6450**, PCI Express x16, **1GB** memory, DirectX 11, one VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk	**1TB** or **1.5TB,** SATA 3 0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support
SATA optical	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel P67 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Six USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA, monitor (VGA DB-15, HDMI)
Rear audio ports	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm)
Audio	High Definition (HD) audio, ALC892 codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g/n wireless[4], Realtek® RTL8818CE, PCIe x1 adapter
Ethernet	Gigabit ethernet on planar, Intel 82579
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Power supply	280 watts, universal, manual switch
Machine	• Black bezel • 7.09" W X 17.32" D X 15.35" H • 180mm W X 440mm D X 390mm H • 24.6 lb (11.2 kg) • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Bay Slot	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * * Wireless adapter or TV tuner in slot in some models ** Graphics adapter in slot in some models

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Power Dial
- CyberLink Power2Go (DVD±RW)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Windows Live Essentials
- Backontrack

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced July 6, 2011; previous models on February 16, 2011

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IdeaCentre™ K330 (7727) - Windows 7 (April 2011)

Type-model	Slot x bay	Pro-cessor	GHz	Max turbo (GHz)	Cache	Cores	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	USB3.0	Win 7 preload	Avail date
7727-4GU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	1TB[2]	DVD±RW	GeForce GT 420	None	None			Prem 64	Apr 11
7727-4FU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx2	1TB	DVD±RW	GeForce GT 420	None	None			Prem 64	Apr 11
7727-4EU	4x4	i5-2300	2.80	3.10	6MB	4	4GBx2	1TB	DVD±RW	GeForce GT 420	None	None			Prem 64	Apr 11
7727-4DU	4x4	i5-2300	2.80	3.10	6MB	4	2GBx3	1TB	DVD±RW	GeForce GT 420	None	None			Prem 64	Apr 11
☞ 7727-5CU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	2TB	Blu-ray	Radeon HD 6450	None	None	11b/g/n	USB3.0	Prem 64	Nov 11
☞ 7727-5DU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	1.5TB	DVD±RW	Radeon HD 6450	None	None	11b/g/n	USB3.0	Prem 64	Nov 11

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- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i5-2300 Processor** (**4 cores / 4 threads**, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.10 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller
Implementation	Processor in LGA1155 socket
Memory	16GB max[8], dual-channel capable, **PC3-10600 1333MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **NVIDIA® GeForce® GT 420**, PCI Express® x16, **1GB** memory, DirectX® 11, one VGA connector, one HDMI connector, HDCP-compliant *Some:* **AMD Radeon™ HD 6450**, PCI Express x16, **1GB** memory, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant
SATA disk	**1TB**, **1.5TB**, or **2TB** SATA 3 0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support
SATA optical	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive *Some:* Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable
SATA cables	Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel P67 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Six USB 2.0, two USB 3.0 on some models, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA, monitor (VGA DB-15, HDMI)
Rear audio ports	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm)
Audio	High Definition (HD) audio, ALC892 codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g/n wireless[4], Realtek® RTL8818CE, PCIe x1 adapter
Ethernet	Gigabit ethernet on planar, Intel 82579
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Power supply	280 watts, universal, manual switch
Machine	• Black bezel • 7.09" W X 17.32" D X 15.35" H • 180mm W X 440mm D X 390mm H • 24.6 lb (11.2 kg) • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Bay Slot	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * * Wireless adapter or TV tuner in slot in some models ** Graphics adapter in slot in some models

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- CyberLink Power2Go (DVD±RW, Blu-ray)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Windows Live Essentials
- Backontrack

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  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced November 23, 2011, previous models on April 7, 2011

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IdeaCentre™ K330 (7727) - Windows 7 (web only models)

Type-model	Slot x bay	Pro-cessor	GHz	Max turbo (GHz)	Cache	Cores	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	AC adapter	Win 7 preload	Avail date
7727-3FU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx3	2TB[2]	Blu-ray	NVIDIA GTX 460	None	None	None	450W	Prem 64	Mar 11
7727-3GU	4x4	i5-2500	3.30	3.70	6MB	4	4GBx2	1TB	Blu-ray	NVIDIA GT 440	None	None	None	280W	Prem 64	Mar 11
7727-3HU	4x4	i5-2300	2.80	3.10	6MB	4	2GBx3	1TB	DVD±RW	ATI HD 5750	None	None	None	450W	Prem 64	Mar 11

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i5-2300 Processor** (**4 cores / 4 threads**, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.10 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i5-2500 Processor** (**4 cores / 4 threads**, 3.30 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.70 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller
Implementation	Processor in LGA1155 socket
Memory	16GB max[8], dual-channel capable, **PC3-10600 1333MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **NVIDIA® GeForce® GTX 460**, PCI Express® x16, **1GB** memory, DirectX® 11, occupy two slots, two DVI-I, one mini HDMI, HDCP-compliant *Some:* **NVIDIA GeForce GT 440**, PCI Express x16, **1.5GB** memory, DirectX 11, one VGA connector, one DVI-I connector, one HDMI connector, HDCP-compliant *Some:* **ATI™ Radeon™ HD 5750**, PCI Express x16, **1GB** memory, DirectX 11, occupy two slots, one VGA, one HDMI, HDCP-compliant
SATA disk	**1TB** or **2TB**, SATA 3.0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support
SATA optical	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive *Some:* Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable
SATA cables	Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel P67 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Six USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA
Rear audio ports	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm)
Audio	High Definition (HD) audio, ALC892 codec
Speaker	None
Wireless	None
Ethernet	Gigabit ethernet on planar, Intel 82579
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Power supply	*Some:* 280 watts, universal, manual switch *Some:* 450 watts, universal, auto-sensing
Machine	• Black bezel • 7.09" W X 17.32" D X 15.35" H; 180mm W X 440mm D X 390mm H • 24.6 lb (11.2 kg) • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Bay	Bay ① 5.25", 1.6" high, access, standard optical
Slot	Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * * Wireless adapter or TV tuner in slot in some models ** Graphics adapter in slot in some models, some graphics adapters occupy two slots

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Power Dial
- CyberLink Power2Go (DVD±RW, Blu-ray)
- Corel® WinDVD® (Blu-ray)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Windows Live Essentials
- Lenovo Power Dial
- Backontrack

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced March 9, 2011

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IdeaCentre™ K330B (7747)

Type-model	Slot x bay	Pro-cessor	GHz	Max turbo (GHz)	Cache	Cores	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	USB3.0	Win 7 preload	Avail date
7747-1EU	4x4	i3-2100	3.10		3MB	2	2+4GB	1TB[2]	DVD±RW	Intel HD 2000	None	None			Prem 64	Aug 11
7747-1KU	4x4	i5-2310	2.90	3.20	6MB	4	2+4GB	1TB	DVD±RW	Intel HD 2000	None	None			Prem 64	Aug 11
7747-1QU	4x4	i5-2310	2.90	3.20	6MB	4	4GBx2	1.5TB	DVD±RW	Radeon HD 6450	None	None	11b/g/n		Prem 64	Aug 11
7747-1GU	4x4	i7-2600	3.40	3.80	8MB	4	4GBx2	1.5TB	DVD±RW	Radeon HD 6450	None	None	11b/g/n		Prem 64	Aug 11
☞ 7747-2AU	4x4	i3-2120	3.30		3MB	2	2+4GB	1TB	DVD±RW	Intel HD 2000	None	None	11b/g/n	USB3.0	Prem 64	Nov 11
☞ 7747-2BU	4x4	i5-2320	3.00	3.30	6MB	4	4GBx2	1TB	DVD±RW	Intel HD 2000	None	None	11b/g/n	USB3.0	Prem 64	Nov 11
☞ 7747-2CU	4x4	i5-2320	3.00	3.30	6MB	4	4GBx2	1.5TB	DVD±RW	Radeon HD 6450	None	None	11b/g/n	USB3.0	Prem 64	Nov 11
☞ 7747-2DU	4x4	i5-2320	3.00	3.30	6MB	4	4GBx2	2TB	Blu-ray	Radeon HD 6450	None	None	11b/g/n	USB3.0	Prem 64	Nov 11

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3-2100 Processor** (**2 cores / 4 threads**, 3.10 GHz, 3M Cache), DDR3 memory controller (up to 1333MHz) **Intel Core i3-2120 Processor** (**2 cores / 4 threads**, 3.30 GHz, 3M Cache), DDR3 memory controller (up to 1333MHz) **Intel Core i5-2310 Processor** (**4 cores / 4 threads**, 2.90 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1333MHz) **Intel Core i5-2320 Processor** (**4 cores / 4 threads**, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1333MHz) **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), DDR3 memory controller (up to 1333MHz)
Implementation	Processor in LGA1155 socket
Memory	8GB max[8], dual-channel capable, **PC3-10600 1333MHz DDR3**, non-parity, two 240-pin DIMM sockets
Graphics	*Some:* **Intel HD Graphics 2000,** integrated in processor, uses main memory, DirectX® 10.1, one VGA connector, one HDMI connector, HDCP-compliant *Some:* **AMD Radeon™ HD 6450**, PCI Express x16, **1GB** memory, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant
SATA disk	**1TB**, **1.5TB**, or **2TB,** SATA 3 0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset
SATA optical	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive *Some:* Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA 3.0Gb/s connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel H61 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Four USB 2.0, two USB 3.0 on some models, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm),
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g/n wireless[4], Realtek® RTL8818CE, PCIe x1 adapter
Ethernet	Gigabit ethernet on planar, Intel 82579V
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Power supply	280 watts, universal, manual switch
Machine	• Black bezel • 7.09" W X 17.32" D X 15.35" H • 180mm W X 440mm D X 390mm H • 24.6 lb (11.2 kg) • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Bay	Bay ① 5.25", 1.6" high, access, standard optical
Slot	Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 * Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * * Wireless adapter or TV tuner in slot in some models ** Graphics adapter in slot in some models

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☞ US models announced November 23, 2011, previous models on August 10, 2011

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Lenovo IdeaCentre A300

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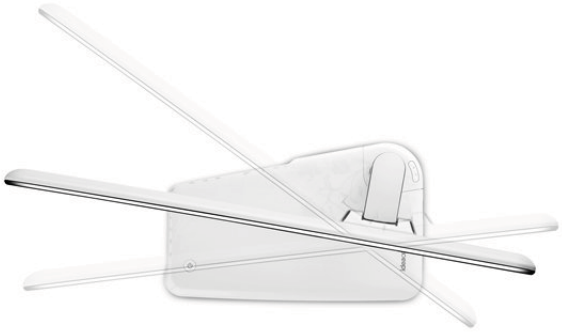
Lenovo IdeaCentre A300



Lenovo IdeaCentre A300

Lenovo IdeaCentre A300

Lenovo IdeaCentre A300
Wireless keyboard and mouse

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	Bluetooth	KBD/ Mouse	Win7 preload	Avail date
4018-1DU	T4400	2.20	*3GB*	21.5" WUXGA	0.3M	GMA 4500MHD	320GB[8]	None	11b/g/n[28]		None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1EU	T6600	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4400** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache
Memory	**3GB** or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
External DVD±RW	None
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)
Graphics	**Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10
Chipset	**Mobile Intel GM45 Express Chipset**, ICH9M I/O Controller Hub
Multicard reader	8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models; IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out *Side:* Two USB 2.0
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth®, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, 1200 dpi, white
Remote control	None
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	22.9 lb (10.4 kg)
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Media Show
- Lenovo CamSuite
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live™ Essential
- Microsoft® Office 2007 Trial (60-day)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced March 11, 2010

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IdeaCentre™ A300 (4018) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	Bluetooth	KBD/ Mouse	Win7 preload	Avail date
4018-1MU	T4400	2.20	2GB	21.5" WUXGA	0.3M	GMA 4500MHD	320GB[8]	None	11b/g/n[28]	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1NU	T4400	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1OU	T6600	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10
☞ 4018-4BU	T6570	2.10	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Feb 11

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4400** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6570** or **T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache
Memory	**2GB** or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Non-italics:* standard memory in one socket; one socket available *Italics:* standard memory in both sockets; no sockets available
External DVD±RW	None
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)
Graphics	**Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10
Chipset	**Mobile Intel GM45 Express Chipset**, ICH9M I/O Controller Hub
Multicard reader	8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models; IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out *Side:* Two USB 2.0
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, 1200 dpi, white
Remote control	None
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	22.9 lb (10.4 kg)
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Media Show
- Lenovo CamSuite
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live™ Essential
- Microsoft® Office 2007 Trial (60-day)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced February 16, 2011; previous models on February 5, 2010

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Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-2DU	P6100	2.00	None	2GBx2	21.5" FHD	LED	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]			BT/BT	Prem 64	Aug 10
4073-2EU	i3-370M	2.40	None	2GBx2	21.5" FHD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Prem 64	Aug 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Pentium® processor P6100** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or **Intel® Core™ i3 processor i3-370M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
External DVD±RW	USB 2.0 external DVD burner, tray-in
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**,** **LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for Menu/OK button and Direction buttons
Graphics	**Intel HD Graphics** in processor, external digital monitor support via HDMI out connector, HDCP-compliant
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out *Side:* Two USB 2.0
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots 11b/g/n wireless[4], PCIe Half Mini Card, Broadcom® BCM43225
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth®	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, white
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	15.9 lb (7.2 kg), weight may vary by configuration
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink YouCam
- Windows Live™ Essential
- Microsoft Office 2010 preloaded; purchase product key to activate
- CyberLink Power2Go (DVD±RW)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced August 25, 2010

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IdeaCentre™ A310 (4073) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-1GU	i3-350M	2.26		2GBx2	21.5" FHD	LED	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	TV	Remote	BT/BT	Prem 64	Aug 10
4073-1HU	i5-450M	2.40	2.66	2GBx2	21.5" FHD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Prem 64	Aug 10
4073-2FU	i3-370M	2.40		2GBx2	21.5" FHD	LED	0.3M	Intel HD	500GB		11b/g/n			BT/BT	Prem 64	Mar 11
☞ 4073-4NU	i5-450M	2.40	2.66	4+2GB	21.5" FHD	LED	0.3M	Intel HD	750GB		11b/g/n	TV	Remote	BT/BT	Prem 64	May 11

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3 processor i3-350M** or **i3-370M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-450M** with **dual-core**, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache
Memory	8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
External DVD±RW	*Some:* USB 2.0 external DVD burner, tray-in
SATA disk	**320GB**, **500GB**, or **750GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for Menu/OK button and Direction buttons
Graphics	**Intel HD Graphics** in processor, external digital monitor support via HDMI out connector, HDCP-compliant
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out *Side:* Two USB 2.0
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Half Mini Card, Broadcom® BCM43225
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth®	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, white
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	15.9 lb (7.2 kg), weight may vary by configuration
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink YouCam
- Windows Live Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- CyberLink Power2Go (DVD±RW)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced May 18, 2011; previous models on August 25, 2010 or March 9, 2011

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Lenovo IdeaCentre A600
(Remote control and wireless keyboard/mouse on select models)

Lenovo IdeaCentre A600
(Remote control and wireless keyboard/mouse on select models)

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

IdeaCentre™ A600 (3011) - Windows 7

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Micro-phone	Blue-tooth	KBD/ Mouse	Win7 preload	Avail date
3011-6CU	T4300	2.10	2GB	21.5" WUXGA	1.3	GMA	320GB[8]	DVD±RW	Intel 5100[28]			Mono		USB	Prem 64	Oct 09
3011-6DU	T4300	2.10	*4GB*	21.5" WUXGA	2.0	HD 4650	320GB	DVD±RW	11b/g	TV		Array	Blue	USB	Prem 64	Oct 09
3011-CGU	T6600	2.20	*4GB*	21.5" WUXGA	2.0	HD 4650	640GB	DVD±RW ✶	Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Oct 09
3011-CJU	T6600	2.20	*3GB*	21.5" WUXGA	2.0	HD 4650	500GB	DVD±RW ✶	Intel 5100	TV	Remote	Array	Blue	USB	Prem 64	Oct 09
3011-CKU	T6600	2.20	*4GB*	21.5" WUXGA	2.0	HD 4650	500GB	DVD±RW ✶	Intel 5100	TV	Remote	Array	Blue	Wireless	Prem 64	Oct 09
3011-4LU	P7550	2.26	*4GB*	21.5" WUXGA	2.0	HD 4650	1TB	BD player ✣	Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Oct 09

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse***
- ***Dolby® Home Theater™ premium audio system with two speakers and one subwoofer***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4300 with dual-core,** 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo processor P7550** with **dual-core**, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache
Memory	**2GB**, **3GB**, or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Non-italics:* standard memory in one socket; one socket available *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW SATA Blu-ray™	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in *Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**320GB**, **500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	*Some:* camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone *Some:* camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone
Controls	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject
Graphics	*Some:* **Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10 *Some:* **ATI™ Mobility Radeon™ HD 4650**, PCI Express® x16, **512MB** memory, DirectX® 10, ATI Avivo™ HD
Chipset	**Mobile Intel GM45 Express Chipset** (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV antenna connector on some models; *Left:* Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Mini PCI Express	Two Mini PCI Express slots
Intel 5100[28]	*Some:* 11a/b/g/n wireless[4], Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)
11b/g[11]	*Some:* 11b/g wireless[4], Mini PCIe adapter, Broadcom® BCM4312
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Broadcom BCM5784
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password
Keyboard	*Some:* Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys *Some:* USB full-size keyboard with USB hub (two USB ports)
Mouse	*Some:* Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) *Some:* USB Optical Wheel Mouse
Remote control	*Some:* MCE remote control (40-button), via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games support), VOIP headset, MCE remote control, and air mouse
Dimensions[3]	*(WxHxD):* 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm
Weight[2]	27.7 lb (12.6 kg)
Chassis	Black color, ABS plastic
Stand	Tilt stand (15° back, 5° forward)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Lenovo Healthcare Software
- Media Show
- McAfee VirusScan® Plus (60 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

Some: 130-watt (GMA graphics) AC adapter
Some: 150-watt (ATI graphics) AC adapter
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced October 23, 2009

✶ Intel Centrino® processor technology
✣ Intel Centrino 2 processor technology

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Lenovo IdeaCentre A700
with optional 3-in-1 mouse

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700
with optional 3-in-1 mouse

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	AC adapter	Wall mount kit	Win7 preload	Avail date
4024-3AU	i3-350M	2.26		*4GB*	23" FHD	*Multi*	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	Hybrid	Remote	120W	Mount kit	Prem 64	Jun 10
4024-1AU	i7-720QM	1.60	2.80	*4GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	Hybrid	Remote	150W	Mount kit	Prem 64	Jun 10
4024-4AU	i3-370M	2.40		*4GB*	23" FHD	*Multi*	Intel HD	320GB	DVD±RW	11b/g/n	Hybrid	Remote	150W	Mount kit	Prem 64	Aug 10
4024-4BU	i5-460M	2.53	2.80	*4GB*	23" FHD	*Multi*	HD 5470	500GB	DVD±RW	11b/g/n	Hybrid	Remote	150W	Mount kit	Prem 64	Aug 10
4024-4CU	i7-740QM	1.73	2.93	*4GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	Hybrid	Remote	150W	Mount kit	Prem 64	Aug 10
☞ 4024-5EU	i5-480M	2.66	2.93	*4GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	ATSC	Remote	150W		Prem 64	Mar 11
☞ 4024-5FU	i3-380M	2.53		*4GB*	23" FHD	*Multi*	Intel HD	500GB	DVD±RW	11b/g/n	Hybrid	Remote	120W		Prem 64	Mar 11

- ***All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support***
- ***Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***JBL stereo speakers***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3 processor i3-350M**, **i3-370M**, or **i3-380M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-460M** 0r **i5-480M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or **Intel Core i7 processor i7-720QM** or **i7-740QM** with **quad-core**, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, slot-in
SATA disk	**320GB**, **500GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**23"** (584.2mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off
Graphics	*Some:* **Intel HD Graphics** in processor, uses main memory; *Some:* **ATI™ Mobility Radeon™ HD 5470**, **512MB** memory, DirectX® 11; *Some:* **ATI Mobility Radeon HD 5650**, **1GB** memory, DirectX 11
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out *Side:* Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)
PCIe Mini Card	Two PCI Express Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], Mini PCIe adapter, Broadcom® chip or Atheros® chip
TV tuner	*Some:* Hybrid tuner (ATSC / DVB-T), support analog and digital signal, PCIe Mini Card *Some:* ATSC tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82577LC
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL® stereo speakers (5 watt x 2)
Security	Power-on password, administrator password
Keyboard	Bluetooth full-size keyboard, 6-row, 104-key, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm
Weight[2]	*Touch models:* 32.6 lb (14.8kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 12° and 35°)
Wall mount	*Some:* Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essentials
- Microsoft® Office 2007 Trial (60-day)
- Microsoft Office 2010 preloaded; purchase product key to activate

Some: 120-watt AC adapter
Some: 150-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced March 9, 2011; previous models on June 3 or August 25, 2010

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IdeaCentre™ A700 (4024) - Windows 7 (web only models)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	AC adapter	Keyboard/ Mouse	Win7 preload	Avail date
4024-3BU	i3-350M	2.26		*4GB*	23" FHD	*Multi*	Intel HD	500GB[8]	DVD±RW	11b/g/n[28]	Hybrid	IR remote	120W	BT/BT	Prem 64	Jun 10
4024-2BU	i5-430M	2.26	2.53	*4GB*	23" FHD	*Multi*	HD 5470	640GB	DVD±RW	11b/g/n	Hybrid	IR remote	150W	BT/BT	Prem 64	Jun 10
4024-1CU	i7-720QM	1.60	2.80	*8GB*	23" FHD	*Multi*	HD 5650	1TB	BD player	11b/g/n	Hybrid	4-in-1	150W	BT/BT	Prem 64	Jun 10
4024-4JU	i7-740QM	1.73	2.93	*8GB*	23" FHD	*Multi*	HD 5650	1TB	BD player	11b/g/n	Hybrid	4-in-1	150W	BT/BT	Prem 64	Oct 10
4024-6CU	i5-480M	2.66	2.93	*8GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	ATSC	IR remote	150W	BT/BT	Prem 64	May 11
☞ 4024-6FU	i3-380M	2.53		*4GB*	23" FHD	*Multi*	Intel HD	1TB	DVD±RW	11b/g/n			120W	BT/BT	Prem 64	Jun 11

- ***All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support***
- ***Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote control, and air mouse***
- ***JBL® stereo speakers***

Processor	**Intel® Core™ i3 processor i3-350M** or **i3-380M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-430M** or **i5-480M** with **dual-core**, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or **Intel Core i7 processor i7-720QM** or **i7-740QM** with **quad-core**, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW SATA Blu-ray™	*Some:* DVD burner, dual-layer support, fixed, not removable, slot-in *Some:* Blu-ray disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**23"** (584.2mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off
Graphics	*Some:* **Intel HD Graphics** in processor, uses main memory; *Some:* **ATI™ Mobility Radeon™ HD 5470**, **512MB** memory, DirectX® 11; *Some:* **ATI Mobility Radeon HD 5650**, **1GB** memory, DirectX 11
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out *Side:* Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)
PCIe Mini Card	Two PCI Express Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], Mini PCIe adapter, Broadcom® chip or Atheros chip
TV tuner	*Some:* Hybrid tuner (ATSC / DVB-T), support analog and digital signal, PCIe Mini Card *Some:* ATSC tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82577LC
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL stereo speakers (5 watt x 2)
Security	Power-on password, administrator password
Keyboard	Bluetooth full-size keyboard, 6-row, 104-key, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* MCE remote control, via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse
Dimensions[3]	*(WxHxD):* 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm
Weight[2]	*Touch models:* 32.6 lb (14.8kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 12° and 35°)
Wall mount	Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Some: 120-watt AC adapter
Some: 150-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
☞ US model announced June 22, 2011,
previous models on April 07, 2009, October 22, 2010, or May 18, 2011

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Lenovo IdeaCentre B305
with optional bluetooth keyboard and mouse

Lenovo IdeaCentre B305
AV IN and TV IN on some models

Lenovo IdeaCentre B305

Lenovo IdeaCentre B305
with optional PS/2 keyboard and USB mouse

Lenovo IdeaCentre B305

Lenovo IdeaCentre B305

Type-model	Processor	GHz	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
4031-1FU	Athlon II X2 235e	2.70	*4GB*	21.5" FHD	*Multi*	3000	500GB[8]	DVD±RW	11b/g/n[28]			PS2/USB	Prem 64	Jun 10
4031-3BU	Athlon II X2 235e	2.70	*4GB*	21.5" FHD	*Multi*	3000	1TB	DVD±RW	11b/g/n			BT/BT	Prem 64	Aug 10
4031-1GU	Athlon II X3 400e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	640GB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Jun 10
4031-1HU	Athlon II X4 600e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	1TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Jun 10
☞ 4031-3CU	Athlon II X2 235e	2.70	*4GB*	21.5" FHD	*Multi*	3000	1TB	DVD±RW	11b/g/n			BT/BT	Prem 64	Mar 11

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft Office 2010 Product Key Ready (O10PKR)***

Processor	**AMD® Athlon™ II X2 Processor 235e** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 400e** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or **AMD Athlon II X4 Processor 600e** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)
Memory	**4GB** std / 4GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, tray-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Buttons for brightness up, brightness down, display on/off, and power on/off
Graphics	*Some:* **ATI™ Radeon™ 3000**, integrated graphics in 760G, uses main memory, DirectX® 10; *Some:* **ATI Radeon HD 5450**, PCI Express® x16, 512MB memory, DirectX 11, ATI Avivo™ HD
Chipset	**AMD 760G Chipset** with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card 11b/g/n[28]	Two PCI Express Mini Card slots 11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2)
Security	Power-on password, administrator password
Keyboard	*Some:* Bluetooth full-size keyboard, 6-row, 104-key, black *Some:* Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	*Some:* Bluetooth Optical Wheel Mouse, black *Some:* Optical Wheel Mouse (USB connector), black
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm
Weight[2]	*Touch models:* 24.7 lb (11.2kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 15° and 40°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2010 preloaded; purchase product key to activate

Integrated models: 120-watt AC adapter
Discrete models: 130-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

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☞ US model announced March 23, 2011; previous models on June 3 or August 25, 2010

IdeaCentre™ B305 (4031) - Windows 7 (web only models)

Type-model	Processor	GHz	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
4031-1RU	Athlon II X2 235e	2.70	2GB	21.5" FHD	*Multi*	HD 5450	320GB[8]	DVD±RW	11b/g/n[28]			PS2/USB	Prem 64	Jun 10
4031-1QU	Athlon II X3 400e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	500GB	DVD±RW	11b/g/n	TV	IR remote	PS2/USB	Prem 64	Jun 10
4031-1PU	Athlon II X4 600e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	640GB	DVD±RW	11b/g/n	TV	IR remote	PS2/USB	Prem 64	Jun 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**AMD® Athlon™ II X2 Processor 235e** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 400e** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or **AMD Athlon II X4 Processor 600e** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)
Memory	**2GB** or **4GB** std / 4GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; one socket available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, tray-in
SATA disk	**320GB**, **500GB**, or **640GB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Buttons for brightness up, brightness down, display on/off, and power on/off
Graphics	**ATI™ Radeon™ HD 5450**, PCI Express® x16, 512MB memory, DirectX® 11, ATI Avivo™ HD
Chipset	**AMD 760G Chipset** with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card	Two PCI Express Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2)
Security	Power-on password, administrator password
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm
Weight[2]	*Touch models:* 24.7 lb (11.2kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 15° and 40°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Discrete models: 130-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced June 3, 2010

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Lenovo IdeaCentre B320
with optional Bluetooth keyboard and mouse

Lenovo IdeaCentre B320
(TV IN, and TV tuner connector
on some models)

Lenovo IdeaCentre B320

Lenovo IdeaCentre B320
with optional Bluetooth keyboard and mouse
(Hardware TV buttons on some models)

Lenovo IdeaCentre B320
(Hardware TV buttons on some models)

Lenovo IdeaCentre B320

IdeaCentre™ B320 (7760) - Multi-touch

Type-model	Proc-essor	Memory	Widescreen display	Multi-Touch screen	Camera (mega-pixel)	Graphics	SATA disk	Optical	Mini PCIe 802.11 wireless	OneKey TV	Remote control	Keyboard/ Mouse	USB3.0	Win7 preload
7760-1CU	G620	2Gx2	21.5" FHD	*Multi*	0.3M	Intel HD	500GB[8]	DVD±RW	11b/g/n[28]			BT/BT	None	Prem 64
☞ 7760-2QU	G620	4Gx1	21.5" FHD	*Multi*	0.3M	Intel HD	1TB	DVD±RW	11b/g/n	OneKey TV	Remote	BT/BT	None	Prem 64
☞ 7760-2SU	i3-2120	4Gx1	21.5" FHD	*Multi*	0.3M	Intel HD	1TB	DVD±RW	11b/g/n	OneKey TV	Remote	BT/BT	None	Prem 64

- ***21.5" Full HD frameless display supporting state-of-the-art multi-touch****
- ***OneKey® TV* turns the display into a High-def TV at the click of a button; you can watch TV even without powering on the PC***
- ***SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

**** Optional feature***

Processor	**Intel® Pentium® G620 Processor** (**2 cores / 2 threads**, 2.60 GHz, 3MB cache), DDR3 memory controller (up to 1066MHz) **Intel Core™ i3-2120 Processor** (**2 cores / 4 threads**, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz)
Implementation	Processor in FCLGA1155 socket
Memory	**4GB** std / 8GB max[7] / **PC3-10600 1333MHz DDR3***, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	DVD burner, dual-layer support, 12.7mm, tray-in
SATA disk	**500GB** or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset
Widescreen display	**21.5"** (546.1mm) **Full HD** (1920x1080 WUXGA) **TFT color**, **VibrantView** (glossy)**, LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Multi-touch	Multi-touch, 2-point support
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone
Controls	Touch-sensitive buttons for menu, direction buttons (left and right), and display on/off; hardware TV buttons on selected models (Channel Up/Down, Volume Up/Down, TV mode menu button, Signal source choice button, and TV power On/Off)
OneKey TV	*Some:* Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)
Graphics	**Intel HD Graphics,** integrated in processor, uses main memory, DirectX® 10.1
Chipset	**Intel H61 Express Chipset**
Multicard reader	5-in-1 card reader (MMC, MS, MS PRO, SD, SDHC)
Ports	*Rear:* Four USB 2.0, one USB 3.0 (on some models), ethernet (RJ-45), keyboard (PS/2), TV-IN connector (on TV models); *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)
11b/g/n[28]	11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip
TV tuner	None
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82579V
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™, stereo speakers (3 watts x 2)
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* IR remote control for hardware TV (OneKey TV)
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*Non-touch models:* *(WxHxD):* 21.0" x 16.0" x 2.96"; 534mm x 405.2mm x 75.3mm *Non-touch models w/stand:* *(WxHxD):* 21.0" x 16.0" x 4.67"; 534mm x 405.2mm x 118.5mm *Touch models:* *(WxHxD):* 21.0" x 16.0" x 3.47"; 534mm x 405.2mm x 88.2mm *Touch models w/stand:* *(WxHxD):* 21.0" x 16.0" x 5.17"; 534mm x 405.2mm x 131.4mm
Weight[2]	From 22.11 lb (10.03 kg), vary by configuration
Chassis	*Front:* black and silver color; *rear:* dark gray color
Stand	Adjustable stand (between 15° and 40°), supports cable management
VESA mount	Supports VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - PhotoStudio Paint
  - Lenovo Ebook and Quick Notes
- Touch Games (Touch models)
  - Angry Birds
  - Happy Hit
  - Curling
  - Music Star
  - Link Up
  - Funny Cube
  - Firework
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System

ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[23]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced January 18, 2012; previous models on August 10, 2011

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IdeaCentre™ B320 (7760) - Multi-touch (web only models)

Type-model	Proc-essor	Memory	Widescreen display	Multi-Touch screen	Camera (mega-pixel)	Graphics	SATA disk	Optical	Mini PCIe 802.11 wireless	OneKey TV	Remote control	Keyboard/ Mouse	USB3.0	Win7 preload
7760-1EU	i3-2120	4Gx1	21.5" FHD	*Multi*	0.3M	HD6450	1TB[8]	DVD±RW	11b/g/n[28]	OneKey TV	Remote	BT/BT	None	Prem 64
7760-1DU	i5-2500S	4Gx1	21.5" FHD	*Multi*	0.3M	HD6450	2TB	DVD±RW	11b/g/n	OneKey TV	Remote	BT/BT	None	Prem 64

- ***21.5" Full HD frameless display supporting state-of-the-art multi-touch****
- ***OneKey® TV* turns the display into a High-def TV at the click of a button; you can watch TV even without powering on the PC***
- ***SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

**** Optional feature***

Processor	**Intel® Core™ i3-2120 Processor** (**2 cores / 4 threads**, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz) **Intel Core i5-2500S Processor** (**4 cores / 4 threads**, 2.70 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.70 GHz), DDR3 memory controller (up to 1333MHz)
Implementation	Processor in FCLGA1155 socket
Memory	**4GB** std / 8GB max[7] / **PC3-10600 1333MHz DDR3***, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	DVD burner, dual-layer support, 12.7mm, tray-in
SATA disk	**1TB** or **2TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset
Widescreen display	**21.5"** (546.1mm) **Full HD** (1920x1080 WUXGA) **TFT color**, **VibrantView** (glossy)**,** **LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Multi-touch	Multi-touch, 2-point support
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone
Controls	Touch-sensitive buttons for menu, direction buttons (left and right), and display on/off; hardware TV buttons on selected models (Channel Up/Down, Volume Up/Down, TV mode menu button, Signal source choice button, and TV power On/Off)
OneKey TV	Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)
Graphics	**AMD Radeon™ HD 6450**, PCI Express® x16, **1GB memory**, DirectX 11
Chipset	**Intel H61 Express Chipset**
Multicard reader	5-in-1 card reader (MMC, MS, MS PRO, SD, SDHC)
Ports	*Rear:* Four USB 2.0, one USB 3.0 (on some models), ethernet (RJ-45), keyboard (PS/2), TV-IN connector (on TV models); *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)
11b/g/n[28]	11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip
TV tuner	None
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82579V
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™, stereo speakers (3 watts x 2)
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	IR remote control for hardware TV (OneKey TV)
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*Non-touch models: (WxHxD):* 21.0" x 16.0" x 2.96"; 534mm x 405.2mm x 75.3mm *Non-touch models w/stand: (WxHxD):* 21.0" x 16.0" x 4.67"; 534mm x 405.2mm x 118.5mm *Touch models: (WxHxD):* 21.0" x 16.0" x 3.47"; 534mm x 405.2mm x 88.2mm *Touch models w/stand: (WxHxD):* 21.0" x 16.0" x 5.17"; 534mm x 405.2mm x 131.4mm
Weight[2]	From 22.11 lb (10.03 kg), vary by configuration
Chassis	*Front:* black and silver color; *rear:* dark gray color
Stand	Adjustable stand (between 15° and 40°), supports cable management
VESA mount	Supports VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - PhotoStudio Paint
  - Lenovo Ebook and Quick Notes
- Touch Games (Touch models)
  - Angry Birds
  - Happy Hit
  - Curling
  - Music Star
  - Link Up
  - Funny Cube
  - Firework
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System

ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[23]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US models announced January 18, 2012

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Lenovo IdeaCentre B500
Bluetooth keyboard and mouse on some models

Lenovo IdeaCentre B500
AV IN and TV IN on some models

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

IdeaCentre™ B510 (7712) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Key-board/ Mouse	Win7 preload	Avail date
7712-1SU	i3-550	3.20		2Gx2	23" FHD	0.3M	HD5450 512MB	500GB[8]	DVD±RW	11b/g/n[28]			BT/BT	Prem 64	Sep 10
7712-1TU	i5-650	3.20	3.46	2Gx3	23" FHD	0.3M	HD5570 1G	1TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Sep 10
7712-1UU	i7-870S	2.66	3.60	2Gx3	23" FHD	0.3M	HD5850 1G	2TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Sep 10
☞ 7712-1VU	i7-870S	2.66	3.60	2Gx4	23" FHD	0.3M	HD5570 1G	2TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Feb 11

- ***All-In-One design with 23" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***JBL® stereo speakers***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3 processor i3-550** with **dual-core**, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or **Intel Core i5 processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or **Intel Core i7 processor i7-870S** with **quad-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 8MB cache
Implementation	Processor in LGA1156 socket
Memory	**4GB**, **6GB**, or **8GB** std / 16GB max[7] / **DDR3**, non-parity, dual-channel capable, four 204-pin SO-DIMM sockets
SATA optical	DVD burner, dual-layer support, 12.7mm, tray-in
SATA disk	**500GB**, **1TB**, or **2TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**23.0"** (584.2mm) **Full HD** (1920x1080 WUXGA) **TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off
Graphics	*Some:* **ATI™ Radeon™ HD 5450,** PCI Express® x16**, 512MB** memory; *Some:* **ATI Radeon HD 5570,** PCI Express x16**, 1GB** memory; *Some:* **ATI Mobility Radeon HD 5850,** PCI Express x16**, 1GB** memory
Chipset	**Intel H55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), eSATA, TV IN and AV IN on some models; *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom® or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card adapter
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82578DC
Audio support	High Definition (HD) Audio, Realtek® ALC662 codec / two JBL® stereo speakers (5 watt)
Security	Power-on password, supervisor password
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* MCE remote control (40-button), via IR
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*(WxHxD):* 22.05" x 17.20" x 3.76" to 5.53"; 560mm x 437mm x 95.5 to 140.5mm
Weight[2]	22.0 lb (10 kg)
Chassis	*Front:* black color; *rear:* silver gray color; ABS plastics
Stand	Adjustable stand (between 15° and 35°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Windows Live Essential
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate

RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[23], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced February 16, 2011; previous models on September 8, 2010

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Lenovo IdeaCentre B520
(3D Vision models)

Lenovo IdeaCentre B520
(HDMI-in, TV IN, and TV tuner
connector on some models)

Lenovo IdeaCentre B520

Lenovo IdeaCentre B520
with optional Bluetooth keyboard and mouse

Lenovo IdeaCentre B520

Lenovo IdeaCentre B520

IdeaCentre™ B520 (7745) - Multi-touch

Type-model	Proc-essor	Memory	Widescreen display	Multi-Touch screen	Camera (mega-pixel)	Graphics	SATA disk	Optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Keyboard/ Mouse	Wall mount kit	USB3.0	HDMI-in AV IN	Win7 preload
7745-2AU	i3-2100	2Gx2	23" FHD	*Multi*	0.3M	Intel HD	1TB[8]	DVD±RW	11b/g/n[28]	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2EU	i7-2600	2Gx3	23" FHD	*Multi*	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2FU	i5-2310	2Gx3	23" FHD	*Multi*	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
☞ 7745-2JU	i3-2120	2Gx2	23" FHD	Multi	0.3M	Intel HD	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
☞ 7745-2KU	i5-2320	2Gx3	23" FHD	Multi	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64

- ***23" Full HD frameless display supporting state-of-the-art multi-touch* and NVIDIA 3D Vision* technologies***
- ***Integrated TV tuner***
- ***3-in-1 motion drive wireless mouse* – including motion-drive gaming and remote control functions***
- ***Integrated 5.0 speakers (3 watts x 5) supporting SRS Premium Sound audio enhancement***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

**** Optional feature***

Processor	**Intel® Core™ i3-2100 Processor** (**2 cores / 4 threads**, 3.10 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz) **Intel Core i3-2120 Processor** (**2 cores / 4 threads**, 3.30 GHz, 3M Cache), DDR3 memory controller (up to 1333MHz) **Intel Core i5-2310 Processor** (**4 cores / 4 threads**, 2.90 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1333MHz) **Intel Core i5-2320 Processor** (**4 cores / 4 threads**, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1333MHz) **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), DDR3 memory controller (up to 1333MHz)
Implementation	Processor in FCLGA1155 socket
Memory	**4GB** or **6GB** std / 16GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, four 204-pin SO-DIMM sockets
Optical	DVD burner, dual-layer support, 12.7mm, tray-in
SATA disk	**1TB**, SATA 3.0Gb/s or SATA 6.0Gb/s, 3.5" wide, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s support, integrated in chipset
Widescreen display	**23.0"** (584.2mm) **Full HD** (1920x1080 WUXGA) **TFT color**, **VibrantView** (glossy)**, LED** backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Multi-touch	Multi-touch, 2-point support
NVIDIA® 3D Vision	None
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration)
Graphics	*Some:* **Intel HD Graphics 2000,** in processor, uses main memory, DirectX® 10.1; *Some:* **NVIDIA® GeForce® GT 555M**, PCI Express® x16, 1GB GDDR5, DirectX 11;
Chipset	**Intel H67 Express Chipset**
Multicard reader	Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC)
Ports	*Rear:* Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), keyboard (PS/2), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots 11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip
TV tuner	ATSC tuner, supports analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82579V
Audio support	High Definition (HD) Audio, Realtek ALC663 codec / SRS® Premium Sound™, 5.0 speakers (3 watts x 5)
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	MCE remote control, via IR
Power supply	250 watts, universal, auto-sensing
Dimensions[3]	*Non-3D models: (WxHxD):* 22.35" x 16.80" x 3.01"; 567.8mm x 426.7mm x 76.5mm *3D models: (WxHxD):* 22.35" x 16.80" x 3.48"; 567.8mm x 426.7mm x 88.5mm
Weight[2]	From 22.22 lb (10.08 kg), vary by configuration
Chassis	*Front:* black and silver color; *rear:* silver gray color
Stand	Adjustable stand (between 15° and 40°), supports cable management
Wall mount	Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, Blu-ray)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - PhotoStudio Paint
  - Lenovo Ebook and Quick Notes
- Touch Games (Touch models)
  - Angry Birds
  - Happy Hit
  - Curling
  - Music Star
  - Link Up
  - Funny Cube
  - Firework
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System*
- Lenovo Eye Distance System*

* The software is not compatible with 720p Camera

ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[23], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced November 23, 2011; previous models on July 20, 2011

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IdeaCentre™ B520 (7745) - Multi-touch (web only models)

Type-model	Proc-essor	Memory	Wide-screen display	Multi-Touch screen	3D Vision with 3D glasses	Camera (mega-pixel)	Graphics	SATA disk	Optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Key-board/ Mouse	Wall mount kit	HDMI-in AV IN	Win7 preload
7745-1FU	i7-2600	4Gx2	23" FHD	*Multi*	3D Vision	0.3M	GT555M 2G	2TB[8]	BD reader	11b/g/n[28]	TV	Remote	BT/3in1		HDMI/AV	Prem 64
7745-1GU	i7-2600	4Gx2	23" FHD	*Multi*		0.3M	GT555M 2G	2TB	BD reader	11b/g/n	TV	Remote	BT/3in1		HDMI/AV	Prem 64
7745-1HU	i5-2500	4Gx2	23" FHD	*Multi*		0.3M	GT555M 1G	1TB	BD reader	11b/g/n	TV	Remote	BT/3in1		HDMI/AV	Prem 64
7745-1JU	i3-2120	2Gx3	23" FHD	*Multi*		0.3M	Intel HD	500GB	DVD±RW	11b/g/n	TV	Remote	BT/3in1		HDMI/AV	Prem 64
☞ 7745-2LU	i3-2120	2Gx3	23" FHD	*Multi*		0.3M	Intel HD	1TB	DVD±RW	11b/g/n	TV	Remote	BT/3in1	Wall	HDMI/AV	Prem 64
☞ 7745-2NU	i5-2320	4Gx2	23" FHD	*Multi*		0.3M	Intel HD	1TB	DVD±RW	11b/g/n	TV	Remote	BT/3in1	Wall	HDMI/AV	Prem 64
☞ 7745-2PU	i5-2320	4Gx2	23" FHD	*Multi*		0.3M	GT555M 1G	1TB	BD burner	11b/g/n	TV	Remote	BT/3in1	Wall	HDMI/AV	Prem 64
☞ 7745-2MU	i7-2600	4Gx2	23" FHD	*Multi*		0.3M	GT555M 2G	2TB	BD burner	11b/g/n	TV	Remote	BT/3in1	Wall	HDMI/AV	Prem 64
☞ 7745-2QU	i7-2600	4Gx2	23" FHD	*Multi*	3D Vision	0.3M	GT555M 2G	2TB	BD burner	11b/g/n	TV	Remote	BT/3in1	Wall	HDMI/AV	Prem 64

- ***23" Full HD frameless display supporting state-of-the-art multi-touch* and NVIDIA 3D Vision* technologies***
- ***Integrated TV tuner****
- ***3-in-1 motion drive wireless mouse* – including motion-drive gaming and remote control functions***
- ***Integrated 5.0 speakers (3 watts x 5) supporting SRS Premium Sound audio enhancement***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

** Optional feature*

Processor	**Intel® Core™ i3-2120 Processor** (**2 cores / 4 threads**, 3.30 GHz, 3M Cache) integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i5-2320 Processor** (**4 cores** / **4 threads**, 3.00 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i5-2500 Processor** (**4 cores / 4 threads**, 3.30 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.70 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller **Intel Core i7-2600 Processor** (**4 cores / 8 threads**, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller
Implementation	Processor in FCLGA1155 socket
Memory	**6GB** or **8GB** std / 16GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, four 204-pin SO-DIMM sockets
Optical	*Some:* DVD burner, dual-layer support, 12.7mm, tray-in *Some:* Blu-ray disc reader (no Blu-ray media burning), DVD recordable, 12.7mm, tray-in *Some:* Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in
SATA disk	**500GB**, **1TB**, or **2TB**, SATA 3.0Gb/s or SATA 6.0Gb/s, 3.5" wide, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s support, integrated in chipset
Widescreen display	**23.0"** (584.2mm) **Full HD** (1920x1080 WUXGA) **TFT color**, **VibrantView** (glossy)**,** *Non-3D models:* **LED** backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen** *3D models:* CCFL backlight, 400 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, support 120MHz, **frameless screen**
Multi-touch	Multi-touch, 2-point support
NVIDIA® 3D Vision	*Some:* NVIDIA 3D Vision support, includes active shutter glasses and build-in IR emitter
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration)
Graphics	*Some:* **Intel HD Graphics,** integrated in processor, uses main memory, DirectX® 10.1; *Some:* **NVIDIA® GeForce® GT 555M**, PCI Express® x16, 1GB GDDR5, DirectX 11; *Some:* **NVIDIA GeForce GT 555M**, PCI Express x16, 2GB GDDR5, DirectX 11
Chipset	**Intel H67 Express Chipset**
Multicard reader	Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC)
Ports	*Rear:* Four USB 2.0 , ethernet (RJ-45), keyboard (PS/2), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip
TV tuner	ATSC tuner, supports analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82579V
Audio support	High Definition (HD) Audio, Realtek ALC663 codec / SRS® Premium Sound™, 5.0 speakers (3 watts x 5)
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	3-in-1 motion drive Bluetooth wireless mouse, includes regular mouse function, air mouse, and motion drive game remote control
Remote control	MCE remote control, via IR
Power supply	250 watts, universal, auto-sensing
Dimensions[3]	*Non-3D models: (WxHxD):* 22.35" x 16.80" x 3.01"; 567.8mm x 426.7mm x 76.5mm *3D models: (WxHxD):* 22.35" x 16.80" x 3.48"; 567.8mm x 426.7mm x 88.5mm
Weight[2]	From 22.22 lb (10.08 kg), vary by configuration
Chassis	*Front:* black and silver color; *rear:* silver gray color
Stand	Adjustable stand (between 15° and 40°), supports cable management
Wall mount	*Some:* Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, Blu-ray)
- CyberLink PowerDVD (Blu-ray)
- Lenovo IdeaTouch (Touch models)
  - – PowerCinema
  - – Lenovo VeriTouch
  - – PhotoStudio Paint
  - – Lenovo Ebook and Quick Notes
- Touch Games (Touch models)
  - – Angry Birds
  - – Happy Hit
  - – Curling
  - – Music Star
  - – Link Up
  - – Funny Cube
  - – Firework
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System*
- Lenovo Eye Distance System*

* The software is not compatible with 720p Camera

Ready to install applications (only some listed)
- Motion Drive Game Zone (The application is included on a CD shipped with 3-in-1 mouse)

ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[23], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7[16] toll-free support for warranty issues during the warranty period[12] via 877-453-6686**

See footnotes for important warranty information

☞ US models announced December 21, 2011; previous models on July 20, 2011

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Lenovo IdeaCentre Q150

Lenovo IdeaCentre Q150
(NVIDIA ION models)

Lenovo IdeaCentre Q150
(NVIDIA ION models)

Lenovo IdeaCentre Q150

Lenovo IdeaCentre Q150
with optional Lenovo Mini Wireless Keyboard N5901
(57Y6336)

Lenovo IdeaCentre Q150
with optional mini USB keyboard and mouse

IdeaCentre™ Q150 (4081) - GMA (Windows 7) - web only models

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue-tooth	Keyboard/ Mouse	Win7 preload	Avail date
4081-1DU	Atom D410	1.66	512KB	1GBx1	250GB[2]	None	GMA 3150	None	None	11b/g/n[28]	Black	None	2.4GHz	Prem 32	Feb 11

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***An Ultra-slim and fashionable desktop PC (only 0.5L)***
- ***Attaches to the back of selected VESA-compatible monitor for more space saving***
- ***Super power saving, saving up to 90% power compared to traditional desktop***
- ***Ultra quiet with low power platform***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ processor D410** with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphics controller, Hyper-Threading technology, and 512KB L2 cache
Memory	**1GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 200-pin SO-DIMM socket
Graphics	**Intel Graphics Media Accelerator 3150 (GMA 3150)**, in processor, uses main memory, one analog VGA DB-15 connector
SATA disk	**250GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
SATA DVD±RW	None
Media reader	None
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 2.0, S/PDIF-out
Rear ports	Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Audio	High Definition (HD) audio, RealTek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100M ethernet on planar, Intel 82552V
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, RealTek® RTL8191SU
TV tuner	None
Remote control	None
Camera	None
Keyboard	2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver
Mouse	None
Stand	Detachable stand (matching color with chassis)
Mount bracket	Mount bracket (black), meets the VESA 75mm and 100mm mount standard

Tiny Desktop (0.5L)

- Black color
- 6.05" W X 6.8" D X 0.85" H
- 153.6mm W X 172.7mm D X 21.7mm H
- 1.76 lb (0.8 kg) including stand
- No bays, no slots

Preloaded operating system[20]

- Genuine Windows® 7 Home Premium 32

Preloaded applications[14] (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)

65-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US model announced February 16, 2011

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IdeaCentre™ Q150 (4081) - NVIDIA® ION™ (Windows 7)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue-tooth	Keyboard/ Mouse	Win7 preload	Avail date
4081-4AU	Atom D510	1.66	1MB	2GBx1 DDR2	250GB[2]	None	NVIDIA ION	None	None	11b/g/n[28]	Black	None	2.4GHz	Prem 32	Jul 10
☞ 4081-2GU	Atom D525	1.80	1MB	2GBx1 DDR3	250GB	None	NVIDIA ION	None	None	11b/g/n	Black	None	USB	Prem 64	Apr 11
☞ 4081-2HU	Atom D525	1.80	1MB	2GBx1 DDR3	250GB	None	NVIDIA ION	None	None	11b/g/n	Black	None	2.4GHz	Prem 64	Apr 11

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***An Ultra-slim and fashionable desktop PC (only 0.5L)***
- ***Attaches to the back of selected VESA-compatible monitor for more space saving***
- ***Super power saving, saving up to 90% power compared to traditional desktop***
- ***Ultra quiet with low power platform***
- ***Support 1080p full HD multimedia playback and 3D gaming***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ processor D510** with **dual-core**, integrated DDR2 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading technology, and 1MB L2 cache **Intel Atom Processor D525** with **dual-core**, integrated DDR2/DDR3 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading Technology, and 1MB L2 cache
Memory	**2GB std**, 2GB max[8]; *Some:* **PC2-6400 800MHz DDR2**, non-parity, one 200-pin SO-DIMM socket; *Some:* **PC3-6400 800MHz DDR3**, non-parity, one 204-pin SO-DIMM socket
Graphics	**NVIDIA® ION™ graphics processor**, DirectX® 10, **512MB** memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk	**250GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
SATA DVD±RW	None
Media reader	None
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 2.0, S/PDIF-out
Rear ports	Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI), line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Audio	High Definition (HD) audio, RealTek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100M ethernet on planar, Intel 82552V
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, RealTek® RTL8191SU
TV tuner	None
Remote control	None
Camera	None
Keyboard	*Some:* Mini Keyboard (USB connector), black *Some:* 2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver
Mouse	*Some:* Mini Optical Wheel Mouse (USB connector), black
Stand	Detachable stand (matching color with chassis)
Mount bracket	Mount bracket (black), meets the VESA 75mm and 100mm mount standard

Tiny Desktop (0.5L)

- Black color
- 6.05" W X 6.8" D X 0.85" H
- 153.6mm W X 172.7mm D X 21.7mm H
- 1.76 lb (0.8 kg) including stand
- No bays, no slots

Preloaded operating system[20]

- *Some:* Genuine Windows® 7 Home Premium 32
- *Some:* Genuine Windows 7 Home Premium 64

Preloaded applications[14] (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink PowerDVD (discrete models)

65-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

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☞ US models announced April 7, 2011; previous model on July 28, 2010

IdeaCentre™ Q150 (4081) - NVIDIA ION (Windows 7) - web only models

	Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue-tooth	Keyboard/ Mouse	Win7 preload	Avail date
	4081-6AU	Atom D510	1.66	1MB	2GBx1	500GB[2]	None	NVIDIA ION	None	None	11b/g/n[28]	Black	None	USB/USB	Prem 32	Jul 10
	4081-1EU	Atom D510	1.66	1MB	2GBx1	500GB	None	NVIDIA ION	None	None	11b/g/n	Black	None	2.4GHz	Prem 64	Feb 11
☞	4081-2MU	Atom D525	1.80	1MB	2GBx1	500GB	None	NVIDIA ION	None	None	11b/g/n	Black	None	2.4GHz	Prem 64	Nov 11

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***An Ultra-slim and fashionable desktop PC (only 0.5L)***
- ***Attaches to the back of selected VESA-compatible monitor for more space saving***
- ***Super power saving, saving up to 90% power compared to traditional desktop***
- ***Ultra quiet with low power platform***
- ***Support 1080p full HD multimedia playback and 3D gaming***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ processor D510** with **dual-core**, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading technology, and 1MB L2 cache **Intel Atom Processor D525** with **dual-core**, integrated DDR2/DDR3 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache
Memory	**2GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 200-pin SO-DIMM socket
Graphics	**NVIDIA® ION™ graphics processor**, DirectX® 10, **512MB** memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk	**500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
SATA DVD±RW	None
Media reader	None
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 2.0, S/PDIF-out
Rear ports	Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Audio	High Definition (HD) audio, RealTek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100M ethernet on planar, Intel 82552V
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, RealTek® RTL8191SU
TV tuner	None
Remote control	None
Camera	None
Keyboard	*Some:* Mini Keyboard (USB connector), black *Some:* 2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver
Mouse	*Some:* Mini Optical Wheel Mouse (USB connector), black
Stand	Detachable stand (matching color with chassis)
Mount bracket	Mount bracket (black), meets the VESA 75mm and 100mm mount standard

Tiny Desktop (0.5L)

- Black color
- 6.05" W X 6.8" D X 0.85" H
- 153.6mm W X 172.7mm D X 21.7mm H
- 1.76 lb (0.8 kg) including stand
- No bays, no slots

Preloaded operating system[20]

- *Some:* Genuine Windows® 7 Home Premium 32
- *Some:* Genuine Windows 7 Home Premium 64

Preloaded applications[14] (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink PowerDVD (discrete models)

65-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced November 23, 2011; previous models on July 28, 2010 or February 16, 2011

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Lenovo IdeaCentre Q180

Lenovo IdeaCentre Q180
Discrete graphics models

Lenovo IdeaCentre Q180
(Discrete graphics models)

Lenovo IdeaCentre Q180
Discrete graphics models with optical drive

Optional Lenovo Mini Wireless Keyboard N5902
(57Y6678)

Lenovo IdeaCentre Q180
(Integrated graphics models)

IdeaCentre™ Q180 (3110) - Discrete (web only models)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Keyboard/ Mouse	Win7 preload	Avail date
3110-2AU	Atom D2700	2.13	1MB	2GBx1	500GB[2]		HD 6450A	None	None	11b/g/n[28]	Black/Silver	USB/USB	Prem 64	Nov 11
3110-2BU	Atom D2700	2.13	1MB	4GBx1	500GB	DVD±RW	HD 6450A	None	None	11b/g/n	Black/Silver	USB/USB	Prem 64	Nov 11
3110-2CU	Atom D2700	2.13	1MB	4GBx1	750GB	DVD±RW	HD 6450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	Nov 11
3110-2DU	Atom D2700	2.13	1MB	4GBx1	750GB	Blu-ray	HD 6450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	Nov 11

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***Tiny desktop PC, compact space-saving design, just from 22 mm wide***
- ***Attaches to the back of selected VESA-compatible monitor for better space saving***
- ***(Selected models) Add-on DVD reader/writer or Blu-ray Disk drive***
- ***Lossless digital audio output with S/PDIF***
- ***Support 1080p full HD multimedia playback and 3D gaming***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ D2700 processor (2 cores / 4 threads, 2.13GHz, 1MB cache)**, integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology
Memory	**2GB** or **4GB std**, 4GB max[8], **PC3-10600 1333MHz DDR3**, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Graphics	**AMD Radeon™ HD 6450A Graphics**, DirectX® 11, **512MB** memory, Full HD (1080p) playback support, External monitor support via analog VGA DB-15 connector / digital HDMI connector
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
External optical	*Some:* DVD burner, dual-layer support, slot-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, slot-in
Multicard reader	8-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro, MS Pro Duo, MS XC)
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 3.0, line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Rear ports	Four USB 2.0 (external ODD occupies one dedicated USB 2.0 port in some models), ethernet (RJ-45), monitor (VGA DB-15, HDMI), S/PDIF-out
Audio	High Definition (HD) audio, Realtek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E-VL
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], Realtek RTL8188CE
TV tuner	None
Remote control	None
Camera	None
Keyboard	*Some:* Mini Keyboard (USB connector), black *Some:* 2.4GHz Wireless Mini Keyboard N5902, palm-sized dimensions, keyboard and mouse (optical finger navigation) combo, via micro-size USB receiver
Mouse	*Some:* Mini Optical Wheel Mouse (USB connector), black
Dimensions[3]	*w/o optical (excludes stand): (WxHxD):* 6.10" x 0.87" x 7.56"; 155mm x 22mm x 192mm *with optical (excludes stand): (WxHxD):* 6.10" x 1.57" x 7.56"; 155mm x 40mm x 192mm
Weight[2]	From 5.25 lb (2.38 kg) to 8.02 lb (3.64 kg), vary by configuration
Chassis	Black and silver color
Stand	Detachable stand (silver color)
Mount bracket	Mount bracket, meets the VESA 75mm and 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink PowerDVD (Blu-ray)

65-watt AC adapter
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

US models announced November 23, 2011

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Lenovo IdeaCentre D400

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400 (rear view)

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400 (left view)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disks	SATA optical	Graphics	eSATA	Ethernet	Color	`Preload	Avail date
3013-1AU	Atom 230	1.60	512KB	1GB	1TB[2] (1TB, 0, 0, 0)	None	GMA 950	eSATA	Gigabit	Black	Windows Home Server	Sep 09
3013-1BU	Atom 230	1.60	512KB	1GB	2TB (1TB, 1TB, 0, 0)	None	GMA 950	eSATA	Gigabit	Black	Windows Home Server	Sep 09
3013-1CU	Atom 230	1.60	512KB	1GB	1TB (1TB, 0, 0, 0)	None	GMA 950	**eSATA**	Gigabit	Black	Windows Home Server	Sep 09
3013-1DU	Atom 230	1.60	512KB	1GB	2TB (1TB, 1TB, 0, 0)	None	GMA 950	**eSATA**	Gigabit	Black	Windows Home Server	Sep 09

- ***A Digital home storage, smaller than a 9 inch cube and built to store/share music, movies, files and more.***
- ***Easy plug-and-play set up and convenient remote access.***
- ***Provides four 3.5 inch bays for hard disks, up to 8TB capacity.***
- ***Easy USB file transfer, pressing one button to copy USB drive contents to the internal hard drives.***

Processor	**Intel® Atom™ Processor 230** with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache
Implementation	Processor in Micro-FCBGA package in BGA437 socket
Memory	**1GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 240-pin DIMM socket *Non-Italics:* standard memory in socket; no sockets available
Graphics	**Intel Graphics Media Accelerator 950 (GMA 950)**, integrated graphics in 945GC, uses main memory, no monitor ports, remote access via network
SATA disks Disk bays	**1TB** or **2TB std**, up to 8TB capacity**,** SATA 3Gb/s, 7200 rpm, Four hard disk bays, tool-less, support hot-swap* * Need to first remove disk in software via Windows Home Server Console
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7
SATA DVD±RW	None
SATA cables	Four SATA cables (each 1-drop to device), Four SATA connectors
eSATA port	One external SATA (eSATA) port in rear
Diskette drive	None
Media reader	None
Chipset	**Intel 945GC Express Chipset**, I/O Controller Hub 7 RAID [ICH7R] (SATA 3.0Gb/s, ethernet MAC, PCI 2.3, USB, LPC bus)
Front ports	One USB 2.0 with USB copy button (Easy USB file transfer function)
Rear ports	Four USB 2.0, one eSATA, ethernet (RJ-45)
Rear audio ports	None
Audio	None
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Marvell® 88E8071
Modem	None
Security chip	None
Keyboard	None
Mouse	None
Power supply	200 watts, universal, auto autosensing
Security	Security slot (in rear for optional Kensington® Microsaver® cable)

Small Form Factor

- Black color bezel
- 7.9" W X 8.2" D X 8.3" H
- 200mm W X 208.6mm D X 212mm H
- 14.3 lb (6.5 kg) for maximum configuration

Bay ① 3.5", 1" high, external, standard disk
Bay ② 3.5", 1" high, external, optional disk*
Bay ③ 3.5", 1" high, external, optional disk*
Bay ④ 3.5", 1" high, external, optional disk*
* Bay used in some models

Slot 1: half-length,low-profile, PCI Express x4

Data protection features

- Back up all your home digital devices automatically
- Duplicate important data automatically, copy designated data to two internal hard drives for added safety (some models)
- Inbuilt flash drive allows easy recovery and prevents data lost in the event of a system problem

Available at these retailers
- lenovo.com

Preloaded operating system[20]
- Genuine Windows® Home Server

Preloaded applications[5]
- LightsOut
- iTunes Server
- LED brightness control
- One Key USB backup
- IP address configuration
- System Information

Client applications (Needs customer installation, Client software CD included)
- Windows Home Server Connector Software
- Lenovo Home Server EasyAccess utilitty

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced September 1, 2009

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IdeaCentre™ Accessories

Partial list of accessories supported on:
IdeaCentre A, B, C, D, K, and Q series desktops

Storage and removable storage

Lenovo Portable DVD Burner DB50 (black)	57Y6487	
Lenovo Portable DVD Burner DB50 (white)	57Y6488	

Keyboard

Lenovo Wired Keyboard K4803A (black)	57Y6566	
Lenovo Mini Wireless Keyboard N5901A[52]	57Y6599	*ann 10/26/10*
Lenovo Mini Wireless Keyboard N5901[52] (blk)	57Y6336	*ann 12/08/09*

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse

Lenovo Optical Mouse A6010 (red)	57Y6483	
Lenovo Optical Mouse A6010 (black)	57Y6255	
Lenovo Mini Optical Mouse S10B (white)	55Y9358	
Bluetooth Laser Mice N6901A (glossy black)	57Y6482	
Lenovo Wireless Mouse N30B (black)	55Y9360	
Wireless Mouse N3903A (metal)	57Y6596	
Wireless Mouse N3903A (coffee)	57Y6666	*ann 01/25/11*
Wireless Mouse N3902A (black)	57Y6574	
Wireless Mouse N3902A (red)	57Y6673	*ann 01/25/11*

Multimedia

Lenovo Headset P550	55Y2065	
Lenovo Headset P950 (black)	57Y6605	*ann 02/08/11*
Lenovo mini speaker M220	55Y2033	
Lenovo speaker M0520 (black)	57Y6360	*ann 02/08/11*
Lenovo speaker M0520 (red)	57Y6361	*ann 02/08/11*

For more information on accessories:

www.lenovo.com/accessories
Purchase Lenovo accessories

www.lenovo.com/support/accessories
Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide
Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com
An Options Compatibility Configurator for Lenovo systems

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard disk drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[3] **Customer Replacement Units** (CRUs) are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[5] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Memory:** For PCs without a separate video card, memory supports both system and video. Accessible system memory is less than the amount stated, depending on video mode.

[9] **Service upgrade options:** Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warrantyperiod. Service levels are response time objectives and are not guarantees.

[10] **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[14] **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

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